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					REC'D 17"MAR 2005	
From the INTERNATIONAL SEARCHING AUTHORITY					14/100	
To:					PCT PCT	
10.					101	
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see form PCT/ISA/220				WRITTEN OPINION OF THE		
				INTERNATIONAL SEARCHING AUTHORITY		
				(F	PCT Rule 43 <i>bis</i> .1)	
				Date of mailing		
				(day/month/year) see form PCT/ISA/210 (second sheet)		
Applicant's or agent's file reference				FOR FURTHER A	ACTION	
see form PCT/ISA/220				See paragraph 2 belov		
International application No. International filing date (lay/month/year)	Priority date (day/month/year)	
	//B2004/050746		19.05.2004			
International Patent Classification (IPC) or both national classification and IPC B22C19/00						
Applicant						
DISA INDUSTRIES AS						
1.	1. This opinion contains indications relating to the following items:					
	⊠ Box No. I	Basis of the op	inion			
	☐ Box No. II	Priority	•			
	☐ Box No. III			rd to novelty, inventive	e step and industrial applicability	
	☐ Box No. IV ☐ Box No. V	Lack of unity of Reasoned state		1/a)(i) with regard to a	novelty, inventive step or industrial	
		applicability; cit	tations and explanations	supporting such state	ement ·	
	☐ Box No. VI	Certain docum				
	⊠ Box No. VII		in the international appl			
			ations on the internation	al application		
2.	2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where						
	the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 <i>bis</i> (b) that written opinions of this International Searching Authority					
	will not be so cor		, ,		,	
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to					PEA, the applicant is invited to	
	submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
	For further option		T/ISA/220			
3.	•		Form PCT/ISA/220.			
٠.	. 5. 14.4101 001416	., 500 notes to r	O.III O INGINEZO.			
Name and mailing address of the ISA: Authorized Officer						

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Form (PCT/SA/237) (Cover Sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/050746

Box No. I Bas	sis of the opinion				
With regard to the language in	. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
language	- The opening the setablished on the basis of a translation from the original language into the following				
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: 					
a. type of material:					
□ a seque	nce listing				
☐ table(s)	related to the sequence listing				
b. format of material:					
☐ in writter	n format				
☐ in comp	uter readable form				
c. time of filing/furnishing:					
☐ containe	d in the international application as filed.				
☐ filed toge	ether with the international application in computer readable form.				
☐ furnished	d subsequently to this Authority for the purposes of search.				
has been fil- copies is ide	in the case that more than one version or copy of a sequence listing and/or table relating thereto ed or furnished, the required statements that the information in the subsequent or additional entical to that in the application as filed or does not go beyond the application as filed, as were furnished.				
4. Additional comments:					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/050746

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No:

No:

1-10

Inventive step (IS)

Yes: Claims

Claims

Claims

1-10

Yes: Claims

1-10

No: Claims

2. Citations and explanations

Industrial applicability (IA)

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/IB2004/050746

Re Item V.

1.)

Reference is made to the following documents:

D1: US 3 601 161 A (ERWIN BUHRER ET AL) 24 August 1971 (1971-08-24)

2.) Novelty and inventive step:

Document D1, which is considered to represent the most relevant state of the art, discloses an apparatus, where the sand distribution to a moulding box is controlled by moving an intermediate container horizontally underneath a sand supplying conveyor.

Means for controlling the belt conveyor speed according to a speed profile providing varying trajectories is not in the prior art, therefore the subject-matter of claim 1 is novel (Article 33(2) PCT)

a.)

The sand distribution in the flask is improved and not derivable from the teaching of the prior art, therefore claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).

b.)

Claims 2-6 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

c.)

The subject-matter of claim 7 involves the method for using the apparatus of claim 1 and is also not known from the prior art. Therefore also this claim is new and involves an inventive step als set out under 1.) to 4.)

d.)

Claims 8-10 are dependent on claim 7 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

3.)

Industrially applicable:

Since the invention is used in apparatuses for the casting it is clearly industrially applicable.

Re Item VII.

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

Form PCT/ISA/237 (Separate Sheet) (Sheet 1) (EPO-January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/IB2004/050746

Form PCT/ISA/237 (Separate Sheet) (Sheet 2) (EPO-January 2004)